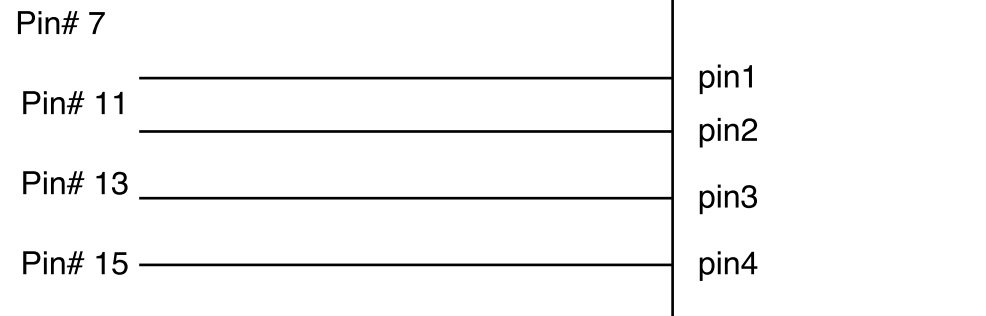


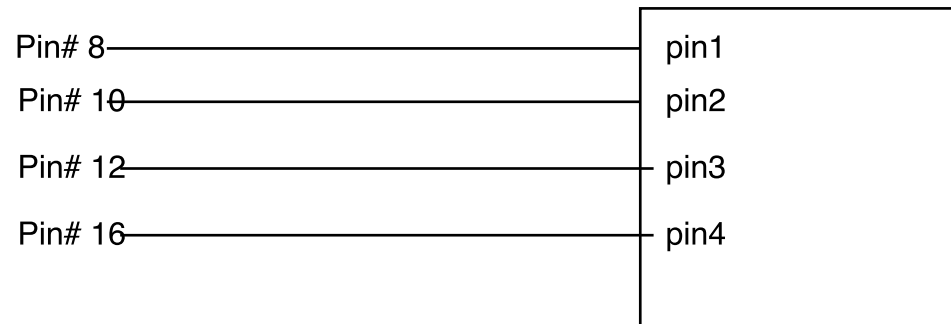
Pin#	NAME	Connection	Connection	NAME	Pin#
01	3.3V		5V (Cupcade)	5V	02
03	GPIO 2		5V (Powerboost)	5V	04
05	GPIO 3		GND (Powerboost)	Ground	06
07	GPIO 4	START		GPIO 14	08
09	Ground	GND (Cupcade)		GPIO 16	10
11	GPIO 17	UP	SELECT	GPIO 18	12
13	GPIO 27	DOWN	GND (Select/Start)	Ground	14
15	GPIO 22	LEFT	RIGHT	GPIO 23	16
17	3.3V		A	GPIO 24	18
19	GPIO 10	B	GND (ABXYR)	Ground	20
21	GPIO 09	X	Y	GPIO 25	22
23	GPIO 11	L Shoulder	R Shoulder	GPIO 08	24
25	Ground	GND (L)		GPIO 07	26
27	ID_SD		ID_SC		28
29	GPIO 05		Ground		30
31	GPIO 06		GPIO 12		32
33	GPIO 13		Ground		34
35	GPIO 19		GPIO 16		36
37	GPIO 26		GPIO 20		38
39	Ground		GPIO 21		40

Raspberry pi 3 GPIO header

## Raspberry pi pins



Left Motor Driver



Right Motor Driver